Reply to Office Action mailed October 29, 2008

Amendment filed April 27, 2009

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in

the Application.

Listing of Claims:

1. (Currently Amended) An armed suture, comprising:

a needle having first and second opposed ends and a blind hole formed in

said first end and extending longitudinally into said needle from said first end thereof,

said hole including an upper edge, a sidewall, and a bottom wall disposed at a location

intermediate said opposed ends and a length measured between said upper edge and

said bottom wall, said hole having a first diameter at a first location proximate said

upper edge first end and a second diameter at a second location proximate said bottom

wall, distal to said first end and distal to said first diameter, said second diameter being

greater than said first diameter;

a suture having an end thereof inserted into positioned in said hole and

extending along said length thereof so as to terminate proximate said bottom wall, said

end of said suture having a third diameter, wherein said first diameter is greater than

said third diameter by a factor that allows said hole to accommodate the insertion of a

range of differently-sized sutures therein;

an adhesive having a viscosity, when uncured, permitting said suture to be

inserted into said hole, and said adhesive, when cured, forming an annular mass that

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extending from said first end to said bottom wall of said hole and substantially

surrounding  $\underline{\text{surrounds}}$  said end of said suture  $\underline{\text{along said length of within}}$  said hole,  $\underline{\text{so}}$ 

as to be in continuous contact with said sidewall along said length, and said adhesive.

when cured, bonding said suture to said needle within said hole by way of said annular

adhesive mass having an outer diameter that is greater at said second location than at

said first location, so as to form a mechanical interlock therewith between said suture

and said hole; and

means, located in said hole, for increasing the bond between said

adhesive and said hole.

2. (Original) The armed suture of claim 1, wherein said adhesive is

curable by exposure to electromagnetic radiation.

3. (Original) The armed suture of claim 2, wherein said electromagnetic

radiation is UV light.

4. (Original) The armed suture of claim 3, wherein said adhesive is

cyanoacrylate.

5. (Original) The armed suture of claim 2, wherein said adhesive is

curable by a second curative agent.

6. (Original) The armed suture of claim 5, wherein said second curative

agent is a compound.

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7. (Original) The armed suture of claim 5, wherein said second curative

agent is water.

8. (Original) The armed suture of claim 5, wherein said second curative

agent is heat.

9. (Cancelled)

10. (Currently Amended) The armed suture of claim 1, wherein said first

diameter and said third diameter are selected such that there is an annular space

between said first end of said needle and said suture, said annular space having a

length substantially the same as said length of said hole, and wherein said first end is

swaged inwardly without eliminating said annular space is dimensioned to receive said

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annular mass therein between said first end and said suture.

11. (Previously Presented) The armed suture of claim 1, wherein said

hole is formed by laser drilling.

12. (Previously Presented) The armed suture of claim 1, wherein said

hole is unpolished.

13. (Withdrawn) The armed suture of claim 1 wherein said suture hole

has at least one groove having an orientation with a component of extension

perpendicular to an axial direction of said suture hole.

14. (Original) The armed suture of claim 1, wherein said suture is

monofilament

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15. (Withdrawn) A method of making armed sutures, comprising the

steps of:

(A) forming a needle hole in an end of a needle;

(B) applying an adhesive between an end of the suture and the needle

hole:

(C) inserting a suture into the needle hole

(D) allowing the adhesive to at least partially cure.

16. (Withdrawn) The method of claim 13. further including a step of

metering the adhesive onto the suture hole prior to said step of inserting.

17. (Withdrawn) The method of claim 16, further comprising a step of

secondarily curing the adhesive.

18. (Withdrawn) The method of claim 17. wherein said step of

secondarily curing is performed by exposure to at least one of a chemical curative

and heat.

19. (Withdrawn) The method of claim 18. wherein the chemical

curative is applied to the suture hole prior to said step of applying.

20. (Withdrawn) The method of claim 15, wherein said step of applying

includes dipping an end of the suture into the adhesive prior to the step of inserting.

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21. (Withdrawn) The armed suture of claim 1, wherein said bond

increasing means includes a groove formed in said hole.

22. (Previously Presented) The armed suture of claim 1, wherein said

bond increasing means includes a roughened portion of said sidewall.

23. (Previously Presented) The armed suture of claim 22, wherein said

roughened portion is reamed.

24. (Previously Presented) The armed suture of claim 22, wherein said

roughened portion is laser drilled.

25. (Previously Presented) The armed suture of claim 22, wherein said

roughened portion is etched.

26. (Previously Presented) The armed suture of claim 22, wherein said

roughened portion includes a conical tip.

27. (Previously Presented) The armed suture of claim 1, further

comprising a catalyst disposed within said hole.

28. (Previously Presented) The armed suture of claim 27, wherein said

catalyst is disposed between said sidewall and said adhesive.

29. (Previously Presented) The armed suture of claim 27, wherein said

catalyst is cyanoacrylate.

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30. (Previously Presented) The armed suture of claim 1, wherein said bottom wall has a substantially conical shape.

 (Previously Presented) The armed suture of Claim 1, wherein said hole is bottle-shaped and said mechanical interlock is bottle-shaped.

32-34. (Cancelled)